



**Applicants:** Dick et al.  
**Application No.:** 10/779,431

#### NEW ABSTRACT

A user equipment is used in a code division multiple access communication system. The user equipment comprises circuitry configured to process a user equipment identification (UE ID) by  $\frac{1}{2}$  rate convolutionally encoding the UE ID to produce a code. The code is used by the user equipment for descrambling a high speed shared control channel (HS-SCCH). The user equipment comprises circuitry configured to receive payload data over a high speed physical downlink shared channel (HS-PDSCH) associated with the HS-SCCH.